

Title (en)  
A Consumption Meter with Embedded Components

Title (de)  
Verbrauchsmesser mit eingebetteten Komponenten

Title (fr)  
Compteur de consommation doté de composants intégrés

Publication  
**EP 1983311 B1 20201007 (EN)**

Application  
**EP 08103536 A 20080415**

Priority  
DK PA200700560 A 20070417

Abstract (en)  
[origin: EP1983311A2] A consumption meter for measuring a quantity value corresponding to a consumed quantity, e.g. heat, water, electricity etc. The meter comprises measuring means for measuring the quantity value, an electronic circuit for operating the consumption meter, a transmitter for transmitting the quantity value, a power supply for powering the meter, and a casing. An embedding material encapsulates the measuring means, the electronic circuit, the transmitter and the power supply so as to form an embedded unit. The casing houses the embedded unit. Such consumption meter provides a simple way to seal off electrical elements from any potentially harmful elements, such as water, moist or dust. The embedding material can be such as: a hydrophobic material, a water impermeable material, an at least partly transparent material, a solid material, a viscous material, a resilient material, a material comprising polymerized siloxanes, a material comprising a polymer material, a filler material, a material comprising a material for inhibiting organic growth, a material comprising a dye, a non-conductive material, or adhesive.

IPC 8 full level  
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CPC (source: EP)  
**G01F 1/66** (2013.01); **G01F 15/006** (2013.01); **G01F 15/007** (2013.01); **G01F 15/14** (2013.01)

Cited by  
DE202008014171U1; CN102369418A; CN105222840A; EP3667259A1; US9874466B2; US9903745B2; USRE47048E; WO2015081958A1; WO2010112029A1; EP2278281A1; US9335192B2; US9658090B2; US8806957B2; US9557201B2; US9568347B2; US10359305B2; US10488238B2; WO2011127934A1; US8893559B2; US8928137B2; US9494452B2; US9726528B2; US9933291B2; US10215603B2; EP3734235A1

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